| Index of Claims | A        |
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|                 | 10<br>Ex |
|                 |          |

Applicant(s)/Patent under Reexamination pplication/Control No. 0/720,846 TAGUCHI, KAZUO xaminer Art Unit

Elizabeth Ivey

1775

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla  | im                    | Date         |              |  |                |              |              |  |          |                |  |  |  |
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| Final  | Original              | 1/3/06       |              |  |                |              |              |  |          |                |  |  |  |
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|  | 3                     | +            | _            | $\vdash$   |                |              |              |  |          | -              |  |  |  |
|  | 4                     | +            |              |  | _              | _            |              |  | _        | -              |  |  |  |
|  | 5                     | +            |              | Н  |                |              |              | _  |          | Н              |  |  |  |
|  | 1<br>2<br>3<br>4<br>5 | +            |              |  |                |              | _            | _  | _        | Н              |  |  |  |
|  | 7                     | +            |              | -  | _              | _            |              |  |          |                |  |  |  |
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|  | 8                     | +            |              | _  |                |              |              |  |          | _              |  |  |  |
|  | 9                     | +            | _            | _  | _              | _            |              | -  |          | _              |  |  |  |
|  | 10                    | +            | _            |  |                |              |              | Щ  |          | _              |  |  |  |
|  | 11                    | +            | _            | _  |                | _            | Ш            | _  |          |                |  |  |  |
|  | 11<br>12<br>13        | +            | _            | <u> </u>   | <u> </u>       |              | <u> </u>     | <u> </u>   |          | <u> </u>       |  |  |  |
|  | 13                    | +            | _            | Ш  | <u> </u>       |              |              |  |          | Щ.             |  |  |  |
|  | 14<br>15              | +            |              | L_   |                | _            |              |  | ļ        | ļ              |  |  |  |
| ļ  | 15                    | +            |              |  | L              | <u> </u>     | _            |  | Щ.       | L_             |  |  |  |
|  | 16<br>17<br>18        | +            |              |  | <u>L</u>       | <u></u>      | <u> </u>     | L.,  | L.       | لط             |  |  |  |
| L  | 17                    | +            |              |  |                |              |              |  |          |                |  |  |  |
|  | 18                    |              |              |  |                |              |              |  |          |                |  |  |  |
|  | 19                    |              |              |  |                |              |              |  |          |                |  |  |  |
|  | 20                    |              |              |  |                |              |              |  |          |                |  |  |  |
|  | 21                    | i            |              |  |                |              |              |  |          |                |  |  |  |
|  | 22                    |              |              |  |                |              |              |  |          |                |  |  |  |
|  | 22<br>23              |              |              |  |                |              |              |  |          |                |  |  |  |
|  | 24<br>25<br>26        |              |              |  |                |              |              |  |          |                |  |  |  |
|  | 25                    | Г            |              |  |                |              |              |  |          |                |  |  |  |
|  | 26                    |              |              |  |                |              |              |  |          |                |  |  |  |
|  | 27<br>28              |              |              | Г  |                |              |              |  |          |                |  |  |  |
|  | 28                    |              |              |  |                |              |              |  |          | П              |  |  |  |
|  | 29                    |              |              | _  |                |              | -            |  |          | Г              |  |  |  |
|  | 30                    |              |              |  |                |              |              |  |          | _              |  |  |  |
|  | 31                    | T            |              | İ  | $\vdash$       | $\vdash$     |              | Н  | Т        | $\vdash$       |  |  |  |
|  | 32                    | $\vdash$     |              |  | $\vdash$       | $\vdash$     | -            | _  |          | $\vdash$       |  |  |  |
|  | 32<br>33              | -            |              | $\vdash$   | $\vdash$       | $\vdash$     | $\vdash$     | $\vdash$   |          | $\vdash$       |  |  |  |
|  | 34                    | $\vdash$     | $\vdash$     | $\vdash$   | -              | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$       |  |  |  |
| <b>-</b>   | 35                    | $\vdash$     | -            |  | $\vdash$       | -            |              | -  |          | $\vdash$       |  |  |  |
|  | 36                    | $\vdash$     | -            | -  | $\vdash$       | ├            | -            | -  |          | ⊢              |  |  |  |
|  | 37                    | H            | _            | <del>                                     </del> |                | -            | -            | -  |          | $\vdash$       |  |  |  |
| <del>                                     </del> | 38                    | -            | -            | $\vdash$   | $\vdash$       | $\vdash$     |              | $\vdash$   | -        | ⊢              |  |  |  |
| <u> </u>   | 39                    | $\vdash$     | -            | <del>  -</del>                                   | <del> </del>   |              | ├            |  | -        | $\vdash$       |  |  |  |
| <del></del>                                      | 40                    | -            | $\vdash$     | ┢  |                | $\vdash$     | -            | <del>                                     </del> | $\vdash$ | $\vdash$       |  |  |  |
| <del></del>                                      | 41                    | -            | -            | -  | -              | -            | $\vdash$     | $\vdash$   | -        | -              |  |  |  |
|  | 41                    | -            | <del> </del> | <del> </del> —                                   | $\vdash$       | ├-           |              | <del> </del>                                     | <u> </u> | <del> </del> — |  |  |  |
| <u> </u>   |                       | -            | -            | -  | <del>  -</del> |              | <del> </del> | -  | $\vdash$ | <del> </del>   |  |  |  |
| <u></u>  | 43                    | <del>-</del> | <del> </del> | <del> </del>                                     |                | <del> </del> |              | -  |          | ⊢              |  |  |  |
| <u> </u>   | 44                    | <del> </del> | ├-           | ├  | ├              | $\vdash$     | ├-           | ⊢  | <u> </u> | _              |  |  |  |
|  | 45                    | <u> </u>     | <u> </u>     | <b> </b>   | <u> </u>       |              |              | <u> </u>   | _        |                |  |  |  |
|  | 46                    | <u> </u>     | <u> </u>     | <b>!</b>   | <u> </u>       | <u> </u>     | <u> </u>     | <b>!</b> —                                       | <u> </u> | Ь              |  |  |  |
| <u> </u>   | 47                    | Щ            | <u> </u>     | <u> </u>   | <u> </u>       | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u> | ⊢              |  |  |  |
| <u> </u>   | 48                    | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>       | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u> | <u> </u>       |  |  |  |
|  | 49                    | $oxed{oxed}$ | <u> </u>     |  | <u>L</u>       | L            | <u> </u>     | <u> </u>   |          | <u> </u>       |  |  |  |
| ı  | 50                    | 1            | ı            | 1  | ı              | 1            | ı            | 1  | ı        | ı              |  |  |  |

| laim       |  |  |              | ]  | Date       |          |               |              |               | 1   | Cla         | im        |          |              |             | [              | Date   |          | _  |  | $\neg$   |
|------------|--|--|--------------|--|------------|----------|---------------|--------------|---------------|-----|-------------|-----------|----------|--------------|-------------|----------------|--|----------|--|--|----------|
|            |  |  |              |  |            |          |               |              | Γ             |     |             |           | $\neg$   | $\neg$       |             | ī              |  |          |  |  | $\dashv$ |
| Original   | 1/3/06   |  |              |  |            |          |               |              |               |     | ਰ           | Original  |          |              |             |                |  |          |  |  |          |
| <u>:</u> Ē | 3  |  |              |  |            |          |               |              |               |     | Final       | iĝi       |          |              |             |                |  |          |  |  |          |
| Ō          | -  |  |              |  |            |          |               |              |               | il  | _           | Õ         |          |              |             |                |  |          |  |  |          |
| 1          | +  | ┝  | $\vdash$     | -  | Н          |          | _             |              | ├             | 1   |             | 51        | -        | $\dashv$     |             |                |  |          |  |  | $\dashv$ |
| 2          | +  | ┝  |              | -  |            | _        | -             | _            | ┝             | H   |             | 52        | -        | -            | -           | _              |  | -        |  | -  | $\dashv$ |
|            | +  | ⊢  | $\vdash$     | $\vdash$   | -          |          |               |              | <u> </u>      |     |             | 53        |          | _            | _           |                | _  | $\vdash$ | -  | -  | $\dashv$ |
| 3          | +  | -  | $\vdash$     | -  | -          |          |               |              | -             |     |             | 54        | -        |              |             |                |  | $\vdash$ |  |  | $\dashv$ |
|            | -  | $\vdash$   |              |  |            |          | _             |              | $\vdash$      |     |             | 54        |          | _            | -           |                |  |          |  |  | $\dashv$ |
| 5          | +  | -  |              | -  |            |          |               |              | <u> </u>      |     |             | 55        |          |              |             |                |  |          |  | _  | $\dashv$ |
| 6          | +  | _  | _            | <u> </u>   | $\vdash$   |          |               |              | _             |     |             | 56        |          |              | _           |                |  | Щ        |  |  | $\dashv$ |
| 7          | +  | _  | Ш            | ot   | Ш          |          | _             |              | L             |     |             | 57        |          |              |             |                |  | _        |  |  | _        |
| 8          | +  | L  |              |  | _          |          |               |              | _             |     |             | 58        | Ш        |              | _           |                | Ш  | Щ        |  |  |          |
| 9          | +  |  |              |  |            |          |               |              |               |     |             | 59        | Ш        |              |             |                |  | Ŀ        |  |  |          |
| 10         | +  |  |              |  |            |          |               |              |               |     |             | 60        |          |              |             |                |  |          |  |  |          |
| 11         | +  |  |              |  |            |          |               |              |               |     |             | 61        |          |              |             |                |  |          |  |  |          |
| 12         | +  |  |              |  |            |          |               |              |               |     |             | 62        |          |              |             |                |  |          |  |  |          |
| 13         | +  |  |              |  |            |          |               |              |               |     |             | 63        |          |              |             |                |  |          |  |  |          |
| 14         | +  |  |              |  |            |          |               |              |               |     |             | 64        |          |              |             |                |  |          |  |  |          |
| 15         | +  |  |              |  |            |          |               |              |               | ۱ : |             | 65        |          |              |             |                |  |          |  |  |          |
| 16         | +  | $\overline{}$                                    |              |  | $\Box$     |          |               |              |               |     |             | 66        |          |              |             |                |  |          |  |  |          |
| 17         | +  |  |              |  |            |          |               |              |               | 1   |             | 67        |          |              |             |                |  |          |  |  |          |
| 18         | Г  |  |              |  | $\vdash$   | _        |               |              |               | 1   |             | 68        |          |              |             |                |  |          |  |  | $\neg$   |
| 19         | $\vdash$   | _  |              |  |            |          |               |              |               | i   |             | 69        | П        |              |             |                |  |          |  |  | $\neg$   |
| 20         |  |  |              |  | -          |          |               | $\vdash$     | $\vdash$      |     |             | 70        |          |              |             |                |  |          |  |  | $\dashv$ |
| 21         | <del>                                     </del> | <del>                                     </del> | -            | -  | -          | -        |               |              | ┞             | !   |             | 71        | $\vdash$ |              |             | -              | $\vdash$   | $\vdash$ | _  | _  | $\dashv$ |
| 22         | $\vdash$   | $\vdash$   | $\vdash$     | -  | $\vdash$   | -        | -             | -            | $\vdash$      | ł   |             | 72        | -        |              |             | $\vdash$       | $\vdash$   | -        |  | Н  | H        |
| 23         | ┢  | ⊢  | -            | ├─   |            | -        |               |              | $\vdash$      | ł   |             | 73        |          | -            |             | _              |  |          | _  |  | $\vdash$ |
| 24         | ┼─   | -  | -            | -  | -          | <u> </u> |               | -            | ⊢             | 1   |             | 74        | -        |              |             | -              | <u> </u>   | _        | _  | _  | $\vdash$ |
| 25         | ╁  | ├—   | $\vdash$     | <u> </u>   |            |          |               |              | ⊢             | 1   |             | 75        | H        |              | _           | -              |  |          |  |  | $\vdash$ |
| 25         | ┝  | ⊢  |              | -  | -          | -        |               | -            | $\vdash$      | 1   |             |           | $\vdash$ |              |             | _              |  |          | _  |  | $\vdash$ |
| 26         | ┢  | ├—   | $\vdash$     | <u> </u>   | <u> </u>   | _        |               | _            | -             | -   |             | 76        |          | _            |             | _              |  | $\vdash$ | _  |  | Н        |
| 27         | ⊢  | <u> </u>   | $\vdash$     | ⊢  | L          | _        | _             |              | _             |     |             | 77        | <u> </u> |              | _           | _              | <u> </u>   | <u> </u> | _  |  | Н        |
| 28         | <u> </u>   | <u> </u>   | -            | $\vdash$   | -          | -        | _             |              | <u> </u>      |     |             | 78        | <u> </u> |              |             | _              | _  | <u> </u> | _  | _  | Н        |
| 29         | <u> </u>   | ▙  | L            | ┡  | L          |          |               |              |               |     |             | 79        | <u> </u> |              |             | _              | <u> </u>   | $\vdash$ |  | Ш  | $\dashv$ |
| 30         | ļ.,  | _  |              | ╙  | lacksquare |          |               |              | <u> </u>      |     |             | 80        | L        |              |             | _              | <u> </u>   | _        |  | Ш  | Щ        |
| 31         | _  | _  | _            | L  | <u>_</u>   |          |               |              |               |     |             | 81        |          |              |             |                | _  |          |  |  |          |
| 32         | <u> </u>   | L  | L            | _  | L          |          | _             |              | _             |     |             | 82        |          |              |             |                | L  |          |  |  | $\Box$   |
| 33         |  | L  | $oxed{oxed}$ | _  | L          |          |               |              | 匚             |     |             | 83        |          |              |             |                |  | L        |  |  | Ц        |
| 34         |  |  | L            | <u>_</u>   |            |          |               |              | 匚             |     |             | 84        |          |              |             |                |  |          |  |  |          |
| 35         |  |  |              | _  | L_         |          |               |              |               |     |             | 85        |          |              |             |                |  |          |  |  |          |
| 36         |  |  |              |  |            |          |               |              |               |     |             | 86        |          |              |             |                |  |          |  |  |          |
| 37         |  |  |              |  |            |          |               |              |               |     |             | 87        |          |              |             |                |  |          |  |  |          |
| 38         | Γ  |  |              |  |            |          |               |              |               |     |             | 88        |          |              |             |                |  |          |  |  |          |
| 39         |  |  |              |  |            |          |               |              | П             |     |             | 89        |          |              |             |                |  |          |  |  |          |
| 40         | Г  | Г  | Γ            |  |            |          |               |              |               |     |             | 90        | П        |              |             |                |  |          |  |  |          |
| 41         |  | Г  |              |  |            |          |               |              |               | 1   |             | 91        |          |              |             |                |  |          |  |  |          |
| 42         | ┰  | Г  |              | Г  |            |          |               |              | $\overline{}$ | 1   |             | 92        |          |              |             |                |  |          |  |  |          |
| 43         | T  | Г  |              | Г  |            | $\vdash$ | $\overline{}$ | $\vdash$     | Т             | 1   |             | 93        | $\vdash$ |              | $\vdash$    | $\vdash$       | <del>                                     </del> | $I^-$    | Г  |  | П        |
| 44         | $\vdash$   | $\vdash$   | Т            | <del>                                     </del> |            |          |               | _            | Т             | 1   |             | 94        | Т        | _            | _           | $\vdash$       | $\vdash$   |          | <del>                                     </del> |  | Н        |
| 45         | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$      | _            | $\vdash$      | 1   | _           | 95        | $\vdash$ | $\vdash$     | $\vdash$    | _              | <del> </del>                                     | $\vdash$ | -  |  | Н        |
| 46         | +-   | <del> </del>                                     | -            | -  | -          | -        | -             | $\vdash$     | <del> </del>  | 1   |             | 96        | -        | <del> </del> | $\vdash$    | -              |  | -        |  | -  | Н        |
| 47         | +-   | $\vdash$   | -            | -  | ├一         | ├        | $\vdash$      | $\vdash$     | ⊢             | ┨   |             | 97        | $\vdash$ | $\vdash$     |             | ┢              | $\vdash$   | $\vdash$ | $\vdash$   | -  | $\vdash$ |
| 48         | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | ╌          | $\vdash$ | ┝             | ├            | ⊢             | ┨   |             | 98        | ├-       | -            | $\vdash$    | <del>  -</del> | -  | $\vdash$ | $\vdash$   | -  | Н        |
| 49         | 1-   | <del>  -</del>                                   | -            | ├  | -          | ⊢        | $\vdash$      | $\vdash$     | $\vdash$      | 1   | <del></del> |           | $\vdash$ | ├─           | $\vdash$    |                | -  | $\vdash$ | $\vdash$   | $\vdash$   | Н        |
| 50         | $\vdash$   | -  | -            | $\vdash$   | -          | ├        | ⊢             | <del> </del> | ├             | 1   | <u> </u>    | 99<br>100 | $\vdash$ | <del> </del> | <del></del> | ⊢−             | <del>                                     </del> | ⊢        | $\vdash$   | <del>                                     </del> | Н        |
| 1 30       | 1  | L.   | Ц.           | Ц.   | 1          | Ļ        | Ц_            | Ļ            | Ц_            | J   | Щ_          | 100       | <u> </u> | L            | L           | L              |  |          | <u> </u>   | L  | ш        |

| Cli      | aim                      |          | _   |  |                  | Date                                |              |          |          | $\neg$         |
|----------|--------------------------|----------|---|--|------------------|-------------------------------------|--------------|----------|----------|----------------|
| ÇI       |                          |          |   |  | _                |                                     |              |          |          |                |
| Final    | Original                 |          |   |  |                  |                                     |              |          |          |                |
|          | 101                      |          |   |  |                  |                                     |              |          |          |                |
|          | 102<br>103               |          |   |  |                  |                                     |              |          |          |                |
|          | 103                      |          |   |  |                  |                                     |              |          |          | _              |
|          | 104                      |          |   |  |                  |                                     |              |          |          |                |
|          | 105                      |          |   |  |                  |                                     |              |          |          |                |
|          | 106                      |          |   |  |                  |                                     |              | _        |          | $\dashv$       |
|          | 107<br>108               | -        |   |  |                  | Н                                   |              |          |          | _              |
|          | 109                      |          | _   |  |                  | Н                                   |              |          |          |                |
| -        | 110                      |          | -   |  |                  | _                                   |              |          |          | $\dashv$       |
|          | 110<br>111               | $\vdash$ | -   | $\dashv$   |                  |                                     | -            | $\vdash$ |          | $\dashv$       |
|          | 112                      | $\vdash$ |   |  |                  |                                     |              | $\vdash$ | -        | $\dashv$       |
|          | 113                      | $\vdash$ | Н   |  |                  |                                     |              |          |          | $\neg$         |
|          | 112<br>113<br>114<br>115 |          | П   |  |                  |                                     |              | $\neg$   |          |                |
|          | 115                      |          | $\Box$  |  |                  |                                     |              |          |          | $\Box$         |
|          | 116                      |          |   |  |                  |                                     |              |          |          |                |
|          | 116<br>117               |          |   |  |                  |                                     |              |          |          |                |
|          | 118<br>119               |          |   |  |                  |                                     |              |          |          |                |
|          | 119                      |          |   |  |                  |                                     |              |          |          |                |
|          | 120                      |          |   |  | L                |                                     | _            |          |          | $\dashv$       |
|          | 121<br>122               |          |   |  |                  |                                     |              |          |          |                |
|          | 122                      | $\vdash$ | _   |  | _                | _                                   |              |          |          |                |
|          | 123<br>124<br>125        | Н        | _   |  |                  |                                     |              |          |          |                |
|          | 124                      | Н        | -   | -  |                  |                                     |              |          |          |                |
|          | 126                      | Н        | -   | $\vdash$   |                  |                                     | -            |          |          |                |
|          | 126<br>127               |          |   | -  | _                |                                     |              |          |          |                |
|          | 128                      | Н        |   |  |                  |                                     |              |          | -        |                |
|          | 129                      |          |   |  |                  |                                     |              |          |          |                |
|          | 129<br>130               |          |   |  |                  |                                     |              | П        |          |                |
|          | 131                      |          |   |  |                  |                                     |              |          |          |                |
|          | 132                      |          |   |  |                  |                                     |              |          |          |                |
|          | 133                      |          | Ĺ   |  |                  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _            | $\Box$   |          | <u> </u>       |
| L        | 134                      |          | <u> </u>  | _  | L                | _                                   | _            | L_       | _        | Щ              |
|          | 135                      | <u> </u> | _   |  | _                | <u> </u>                            | $\vdash$     | $\vdash$ | _        | Ш              |
|          | 136                      | $\vdash$ | <u> </u>  | $\vdash$   | <u> </u>         | ├                                   | <u> </u>     | <u> </u> |          | $\vdash\vdash$ |
|          | 137<br>138               | -        | $\vdash$  | $\vdash$   | <u> </u>         | ┢                                   | ├-           | -        | <b> </b> | $\vdash$       |
| <u> </u> | 139                      | $\vdash$ | -   | -  | -                | ├                                   | <del> </del> | H        | $\vdash$ | $\vdash$       |
|          | 140                      | $\vdash$ | -   | H  | $\vdash$         | $\vdash$                            | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$       |
|          | 141                      |          |   |  | $\vdash$         |                                     |              | Н        |          | $\vdash$       |
|          | 142                      |          | <del>                                     </del>  | <del>                                     </del> | $\vdash$         | $\vdash$                            | ┢            | Т        | Н        | $\vdash$       |
|          | 143                      |          | Г   |  |                  | T                                   | Г            |          |          | П              |
|          | 144                      |          |   |  |                  |                                     |              |          |          |                |
|          | 145                      |          |   |  |                  |                                     |              |          |          |                |
|          | 146                      |          |   |  |                  |                                     |              |          |          |                |
|          | 147                      |          |   | oxdot  | Ľ                |                                     | 匚            |          |          |                |
| L        | 148                      |          | $ldsymbol{le}}}}}}$ |  | L                | _                                   | L_           |          | _        |                |
| ļ        | 149                      |          | <u> </u>  | <u> </u>   | $ldsymbol{oxed}$ |                                     | _            | $\vdash$ | <u> </u> | Ш              |
| L        | 150                      | $L_{-}$  | oxdot   |  | <u> </u>         | L                                   | <u> </u>     |          |          | LJ             |